

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S176	93	((("call controller" switch telecommunication (PSTN near8 call)) with (service server software)) same (upgrad\$4 and download\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:03
S177	244	((("call controller" switch telecommunication (PSTN near8 call)) with (service server software)) same (install\$5 and download\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:03
S178	8	S176 and S177 and @rlad<"20010425"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:08
S179	28	(S176 or S177) and ((telecommunication PSTN call ) same (control traffic switch service)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:13
S180	7	S179 and @rlad<"20010425"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:09
S181	21	S179 not S180	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:10
S182	4	(S176 or S177) and (server same install\$4).ab. and ((telecommunication PSTN call ) same (control traffic switch service))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:12
S183	24	((download\$4 and install\$4) and (switch same (service server))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:13

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S18 4	10	S183 and ((telecommunication PSTN call ) same (control traffic switch service))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:46
S18 5	7	(software adj switch) same (download\$4 and (install\$4 upgrad\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:46
S18 6	6	S185 and ((telephony wireless telecommunication PSTN call ) same (control traffic switch service))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:51
S18 7	0	(softswitch same API same wrapper) and (service with turn-off)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:52
S18 8	0	(softswitch same (API wrapper)) and (service with turn-off)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 14:52
S18 9	26	(softswitch same ((API wrapper)(service with turn-off)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:05
S19 0	0	(softswitch same upgrad\$4) and (service with ( turn-on turn-off))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:06
S19 1	2	(softswitch same upgrad\$4) and (service with ( activat\$4 deactivat\$4 turn-on turn-off))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:09

## EAST Search History

S19 2	43	(US-20010054095-\$ or US-20020176404-\$ or US-20020188713-\$ or US-20020098795-\$ or US-20030065750-\$ or US-20030092438-\$).did. or (US-5341374-\$ or US-6212635-\$ or US-6584186-\$ or US-6587684-\$ or US-6779030-\$ or US-5982769-\$ or US-6614781-\$ or US-6731930-\$ or US-6822954-\$ or US-5825769-\$ or US-6775253-\$ or US-5828952-\$ or US-6957186-\$ or US-6904449-\$ or US-6831915-\$ or US-6731625-\$ or US-6967957-\$ or US-6510550-\$ or US-6697848-\$ or US-6636885-\$ or US-6009464-\$ or US-6816880-\$ or US-6473759-\$ or US-6735175-\$ or US-6289010-\$ or US-6816469-\$). did. or (US-5600643-\$ or US-5768539-\$ or US-6779020-\$ or US-6738390-\$ or US-6097515-\$ or US-6002502-\$ or US-6421727-\$ or US-5909480-\$ or US-5349579-\$ or US-6763458-\$).did. or (US-6230194-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/02/03 15:09
S19 3	14	S192 and ((softswitch same upgrad\$4) (service with ( activat\$4 deactivat\$4 turn-on turn-off)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:19
S19 4	6	S193 and ((wrapper and API) ( softswitch and download\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:13
S19 5	2	S194 and softswitch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:13
S19 6	1	(call near8 service) and ((wrapper and API) and ( softswitch and download\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:18

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S19 7	1	(call near8 service) and ((wrapper and API) and ( softswitch and (SS7 GSM)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:18
S19 8	34	(call near8 service) and ((wrapper API) and ( softswitch and (SS7 GSM)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:18
S19 9	26	S198 and ((softswitch and (download\$3 activat\$4 install\$5 upgrad\$4)) and ((service call) with (terminat\$4 activat\$4 deactivat\$4 turn-on turn-off)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:25
S20 0	2	S199 and (half-call (wrapper same API))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:27
S20 1	19	(softswitch same (management upgrad\$3)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:29
S20 2	3	softswitch and (NOC and BTS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:33
S20 3	1	(VoIP same soft-switch).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:33
S20 4	0	((management upgrad\$4 download\$4 install\$5) with soft-switch).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:34

## EAST Search History

S20 5	10	((management upgrad\$4 download\$4 install\$5 activation) with soft-switch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:20
S20 6	15	((turn adj on) activat\$3) (shut adj (off down)) ) with "network carrier"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 15:53
S20 7	4	(gateway same softswitch) and ((management and upgrade) and ( installation download)) and ((call carrier) near3 service)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:07
S20 8	2	"20020159439".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:08
S20 9	2	"20060015556".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:11
S21 0	0	gateway same (wrapper same (download and package))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:11
S21 1	1	gateway same (wrapper same (download package))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:12
S21 2	56	(gateway same (wrapper)) and @rlad<"20010425"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:14

## EAST Search History

S21 3	5	S212 and (wrapper with API)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:16
S21 4	5	S213 and (telephon\$4 telecommunicat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:17
S21 5	4	S214 and (call with (service carrier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:19
S21 6	0	S212 and (VoIP softswitch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:20
S21 7	830	(gateway CISCO) and (VoIP softswitch) and upgrad\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:20
S21 8	78	((management upgrad\$4 download\$4 install\$5 activation (call near service)) and soft-switch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:21
S21 9	544	((management upgrad\$4 download\$4 install\$5 activation and (call near service)) and softswitch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:21
S22 0	0	S217 and S218 and S219 and ((API download) same wrapper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:22

## EAST Search History

S22 1	112	(S217 or S218) and S219	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:23
S22 2	44	S221 and ( ((API download) same wrapper) (call near4 service) (service near4 turn-on))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:25
S22 3	2	"6853714".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:27
S22 4	9	S222 and ((server gateway manager) with upgrad\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:38
S22 5	19	(upgrad\$4 same ((gateway switch router) with software)).ab. and (( provider network SS7 GSM telephone telecommun\$5 PTSN call carrier) with service)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 16:41
S22 6	0	("7107329").URPN.	USPAT	OR	OFF	2007/02/03 16:44
S22 7	39	("20010014968"   "20010049732"   "20010053131"   "20020021675"   "5155837"   "5339430"   "5418524"   "5546581"   "5546584"   "5555418"   "5931938"   "5968170"   "6009524"   "6012088"   "6026157"   "6084869"   "6101327"   "6125372"   "6128734"   "6134663"   "6154878"   "6175919"   "6195792"   "6202207"   "6289511"   "6314567"   "6324693"   "6353928"   "6360363"   "6378127"   "6397385"   "6408434"   "6418555"   "6438748"   "6446255"   "6463584"   "6473899"   "6553028"   "6594822").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 16:44
S22 8	13	S227 and (upgrad\$4 with (server router switch card))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 16:45

## EAST Search History

S229	0	S228 and (wrapper and gateway)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:15
S230	3	S228 and (wrapper gateway)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 16:49
S231	0	S228 and S225	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 16:49
S232	1	(S228 or S225) and (gateway same switch)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 16:56
S233	13	(call with (switch controlller manager) with upgrad\$4).ab. (call with (switch controlller manager) with upgrad\$4 ).clm. (call with (switch controlller manager) with upgrad\$4).ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 16:57
S234	2	("5802162").URPN.	USPAT	OR	OFF	2007/02/03 17:00
S235	6	("5109408"   "5426694"   "5436957"   "5467388"   "5546453"   "5548640").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:28
S236	0	S233 and gateway	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:13
S237	250	Cisco and ((router switch ) with (download\$3 upgrade))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:29
S238	20	S237 and (wrapper and gateway)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:15



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S23 9	56	(US-20010054095-\$ or US-20020176404-\$ or US-20020188713-\$ or US-20020098795-\$ or US-20030065750-\$ or US-20030092438-\$ or US-20030161296-\$ or US-20020154646-\$ or US-20050008003-\$ or US-20020021675-\$ or US-20020064267-\$ or US-20020120697-\$).did. or (US-5341374-\$ or US-6212635-\$ or US-6584186-\$ or US-6587684-\$ or US-6779030-\$ or US-5982769-\$ or US-6614781-\$ or US-6731930-\$ or US-6822954-\$ or US-5825769-\$ or US-6775253-\$ or US-5828952-\$ or US-6957186-\$ or US-6904449-\$ or US-6831915-\$ or US-6731625-\$ or US-6967957-\$ or US-6510550-\$ or US-6697848-\$ or US-6636885-\$ or US-6009464-\$ or US-6816880-\$ or US-6473759-\$ or US-6735175-\$ or US-6289010-\$ or US-6816469-\$). did. or (US-5600643-\$ or US-5768539-\$ or US-6779020-\$ or US-6738390-\$ or US-6097515-\$ or US-6002502-\$ or US-6421727-\$ or US-5909480-\$ or US-5349579-\$ or US-6763458-\$ or US-6931111-\$ or US-6853714-\$ or US-6845102-\$ or US-7107329-\$ or US-6125372-\$ or US-5802162-\$ or US-7046778-\$). did. or (US-6230194-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/02/03 17:26
S24 0	3	S238 and S239	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 17:26
S24 1	1	S239 and Bendelac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 17:29
S24 2	0	S237 and S241	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 17:29

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S24 3	0	S237 and Bendelac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 17:29
S24 4	13	S239 and ((router switch ) with (download\$3 upgrade))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:30
S24 5	0	S244 and (download\$4 with "into" with (switch router))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:31
S24 6	6	S244 and (download\$4 near5 (switch router))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 17:31